Chapter 5 Quiz Study Guide Lessons 5-4 through 5-5 **Name:** _____ **Period:** _____	GoOnline! **Web Codes:** **5-4:** aqe-0504 **5-5:** aqe-0505

Lesson 5-4 Adding Mixed Numbers (use page(s) _____ of your notes)

Steps for Adding Mixed Numbers:

1. Create a common denominator by finding the LCM of the two denominators if there is not a common denominator already.
2. Add the fractions
3. Add the whole numbers
4. Simplify if necessary. If the fraction is **improper**, change it to a mixed number and then combine it with the whole number.

1. $2\frac{1}{2} + 3\frac{1}{8}$	2. $3\frac{1}{3} + 2\frac{1}{2}$
3. $6\frac{2}{3} + 8\frac{1}{2}$	4. $2\frac{5}{6} + 6\frac{2}{5}$
5. $2\frac{2}{3} + 2\frac{2}{3}$	6. $5\frac{4}{9} + 3\frac{8}{9}$

Lesson 5-5 Subtracting Mixed Numbers- Find each difference.

Steps for Subtracting Mixed Numbers:

1. Create a common denominator by finding the LCM of the two denominators if there is not a common denominator already.
2. Take a look at the fractions, if they cannot be subtracted, you will need to "borrow" or "regroup/rename"
3. Subtract the fractions
4. Subtract the whole numbers
5. Simplify if necessary.

7. $8 - 2\frac{2}{3}$	8. $7 - 3\frac{3}{5}$
9. $5\frac{2}{3} - 1\frac{1}{2}$	10. $29\frac{3}{4} - 4\frac{1}{2}$
11. $12\frac{1}{9} - 1\frac{5}{9}$	12. $7\frac{5}{9} - 1\frac{2}{3}$